

## UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ELECTRIC LOGS FILE ☒ WATER SANDS LOCATION INSPE SUB. REPORT/abd.

970625 location abandoned eff. 6.23.97:

DATE FILED MAY 3, 1996

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. INDIAN #

DRILLING APPROVED: MAY 7, 1996 UTE-14-20-H62

SPUDDED IN:

COMPLETED: 6.23.97 LA'D NT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED: June 23, 1997 LA'D

FIELD: BRUNDAGE CANYON

UNIT:

COUNTY: DUCHESNE

WELL NO. UTE TRIBAL 3-29 API NO. 43-013-31652

LOCATION 585 FNL FT. FROM (N) (S) LINE. 1802 FWL FT. FROM (E) (W) LINE. NE NW 1/4 - 1/4 SEC. 29

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
5S	4W	29	BARRETT RESOURCES				

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. UTE 14-20-H62	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME UTE TRIBAL	
2. NAME OF OPERATOR Barrett Resources Corp			7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. P.O. Box 370. Parachute Colorado 81635			8. FARM OR LEASE NAME, WELL NO.	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 585' FNL 1802' FWL NE 1/4 NW 1/4 SEC 29 T5S R4W At proposed prod. zone			9. AM WELL NO. UTE TRIBAL 3-29	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 20 Miles south of Myton, Utah			10. FIELD AND FOUNTAIN OR WILDCAT BRINDAGE CANYON	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 585			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC 29 T5S R4W	
16. NO. OF ACRES IN LEASE 640			12. COUNTY OR PARISH DUCHESE	
17. NO. OF ACRES ASSIGNED TO THIS WELL 40			13. STATE UTAH	
18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2500'			19. PROPOSED DEPTH 5860'	
20. ROTARY OR CABLE TOOLS Rotary			21. APPROX. DATE WORK WILL START* MAY 20 1996	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6712'				

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	GRADE SIZE OF CASINO	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	85/8	24.3	280	TO SURFACE
77/8	51/2	15.5	5860	CMT TOP TO COVER OIL SHALE

OPERATOR REQUESTS PERMISSION TO DRILL THE SUBJECT WELL  
PLEASE SEE THE ATTACHED 10 POINT AND THE 13 POINT SURFACE USE PLAN  
IF YOU REQUIRE ADDITIONAL INFORMATION PLEASE CONTACT:

Scott Brady  
P.O.Box 370. Parachute, Colorado.  
970-285-9377 office 970-250-3680 cellular

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED \_\_\_\_\_ TITLE Drilling Foreman DATE April 10, 1996

(This space for Federal or State office use)

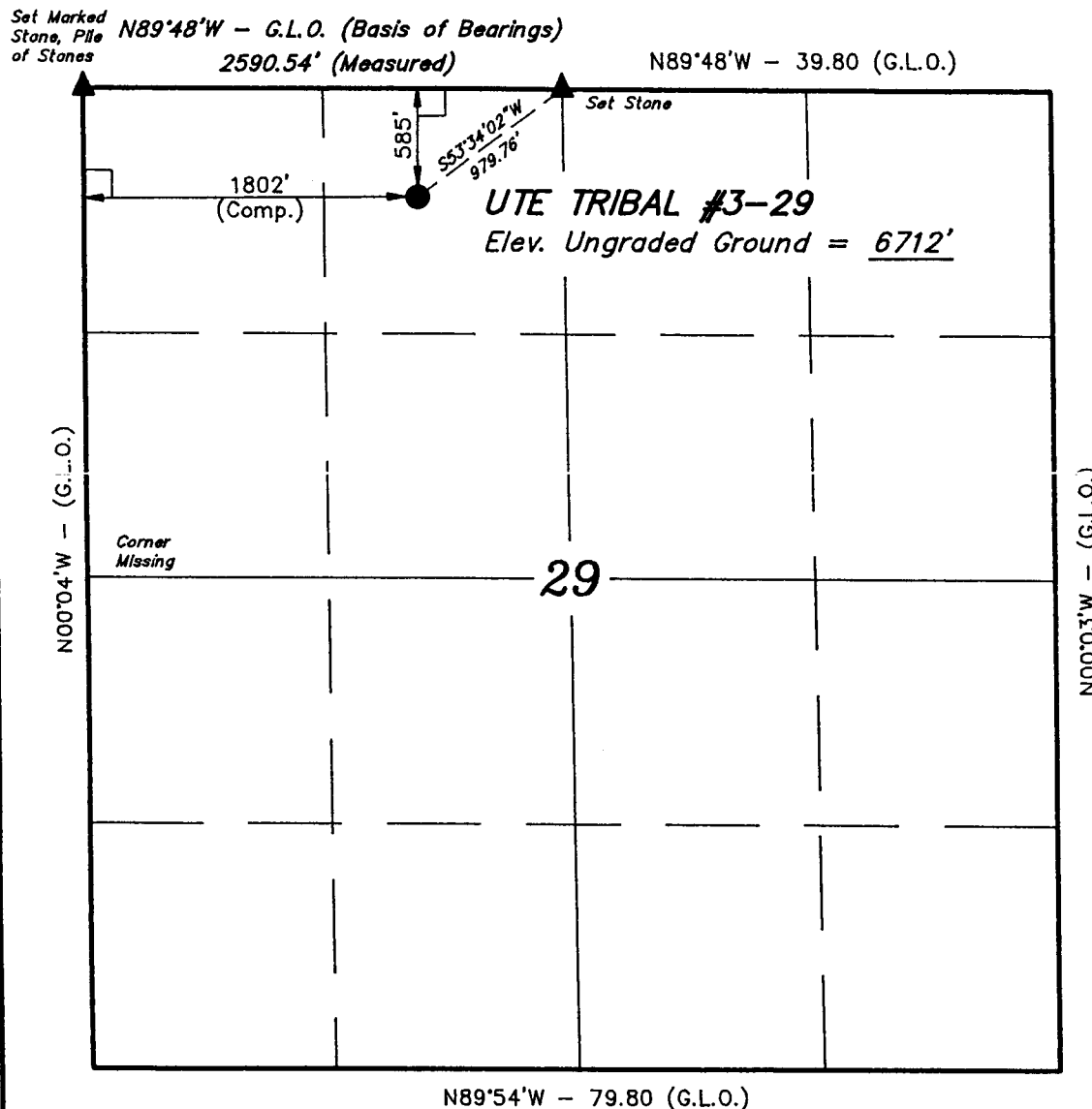
PERMIT NO. 43-013-31652

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY JA Matthews TITLE Petroleum Engineer DATE 5/7/96  
\*See Instructions On Reverse Side

**T5S, R4W, U.S.B.&M.**

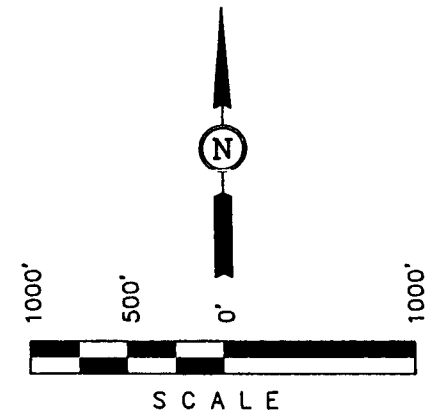


**BARRETT RESOURCES CORPORATION**

Well location, UTE TRIBAL #3-29, located as shown in the NE 1/4 NW 1/4 of Section 29, T5S, R4W, U.S.B.&M. Duchesne County, Utah.

**BASIS OF ELEVATION**

SPOT ELEVATION AT THE SOUTHEAST CORNER OF SECTION 18, T5S, R4W, U.S.B.&M. TAKEN FROM THE DUCHESNE SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 6559 FEET.



**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Robert L. Kay*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161319  
 STATE OF UTAH

REVISED: 4-4-96 C.B.T.

**UINTAH ENGINEERING & LAND SURVEYING**  
 85 SOUTH 200 EAST - VERNAL, UTAH 84078  
 (801) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 3-27-96	DATE DRAWN: 3-30-96
PARTY G.S. D.C. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE BARRETT RESOURCES CORP.	

**LEGEND:**

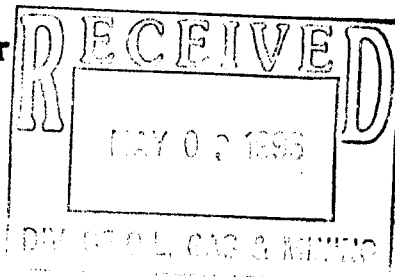
- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.



# United States Department of the Interior

## BUREAU OF INDIAN AFFAIRS

UINTAH AND OURAY AGENCY  
FORT DUCHESNE, UTAH 84026  
(801) 722-2406



IN REPLY REFER TO:  
EXHIBIT F

### MINERAL ACCESS AGREEMENT ON INDIAN OWNED LANDS

Well No. Ute Tribal 3-29

The purpose of this agreement is to regulate the surface development of Indian Lands which have been leased for oil and gas development. An approved agreement must be obtained prior to the commencement of any surface disturbing activity and will be in effect for the term of the lease and the agreed upon contractual provisions referenced therein, in not revoked under the terms in Item 4 of this agreement.

1. The authorized officer for the Bureau of Indian Affairs, in conjunction with the Indian Surface owner and Tribe, hereby grants permission to:  
Barrett Resources Corporation, P.O. Box 370, Parachute, CO 81635

To improve and/or construct and maintain a development corridor which may contain an access road, pipelines, powerlines, communication lines and well pads on the following trust land (reference lease number and legal description):

Ute 14-20-H62 NENW, Sec. 29-T5S-R4W

2. In consideration of the approval of this agreement, the above company agrees to adhere to all lease provisions, A.P.D. stipulations and regulations of the Secretary of the Interior now or hereafter in force relative to such leases.

3. The Company herewith submits an estimated surface damage fee in the amount of \$ \_\_\_\_\_, for a total of \*\* acres Pending Agency appraisal and the Affidavit of Completion.  
\*\*Per/Agreement

4. This agreement will remain in effect unless revoked upon 30 days written notice by the Superintendent or the appropriate official, depending upon circumstances.

5. The permittee will submit a certified survey map of the proposed access road and/or well pad with this permit. The map must adhere to all specifications and requirements of the Branch of Minerals and Mining, Uintah and Ouray Agency, Bureau of Indian Affairs. Upon completion of construction, an Affidavit of Completion will be submitted by the company to certify that the construction completed was in accordance to the specifications certified to on the survey map accompanying this agreement.

6. The Company agrees to furnish a bond in the amount of \$ \_\_\_\_\_, or to utilize said company's existing Nationwide Oil and Gas Bond No. C00077 to guarantee performance of this permit.

7. The Company agrees to contact immediately the Bureau of Indian Affairs (BIA) and the Bureau of Land Management (BLM), if cultural resources discovered during construction or anytime during the course of daily operations.

8. ADDITIONAL STIPULATIONS: (If Applicable)

Signed on this 25th day of April, 19 96.

WITNESSES:

[Signature]  
Karla Evans

AUTHORIZED AGENT

Barrett Resources Corporation  
COMPANY NAME

P.O. Box 370  
ADDRESS

Parachute, CO 81635  
CITY/STATE ZIP CODE

APPROVED: \_\_\_\_\_  
DATE

\_\_\_\_\_  
Superintendent

## SELF-CERTIFICATION STATEMENT

The following self-certification statement is provided per Federal requirements dated June 15, 1988.

Please be advised that Barrett Resources Corporation is considered to be the operator of the following well.

Well Ute Tribal 3-29  
NE 1/4, NW 1/4, Section 29, T. 5 S., R. 4 W.  
Lease BIA-14-20-H62  
Duchesne County, Utah

Barrett Resources Corp. is responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.

Scott Brady  
Drilling Foreman  
Barrett Resources Corp.  
120 N. Railroad  
Parachute, Co. 81635  
970-285-9377

## **HAZARDOUS MATERIAL DECLARATION**

For: Well No.	Ute 16-18	Lease No.	14-20-H62
	Ute 5-20		14-20-H62
	Ute 3-29		14-20-H62
	Ute 14-18		14-20-H62
	Ute 15-17		14-20-H62

BARRETT RESOURCES CORP. GUARANTEES THAT DURING THE DRILLING AND COMPLETION OF THE ABOVE REFERENCED WELLS, NOT USE, PRODUCE, OR STORE, TRANSPORT OR DISPOSE 10000# ANNUALLY OF ANY OF THE HAZARDOUS CHEMICALS CONTAINED IN ENVIRONMENTAL PROTECTION AGENCY'S CONSOLIDATED LIST OF CHEMICALS SUBJECT TO REPORTING UNDER TITLE III SUPER AMENDMENTS AND REAUTHORIZATION ACT(SARA) OF 1986.

BARRETT RESOURCES CORP. GUARANTEES THAT DURING THE DRILLING AND COMPLETION OF THE ABOVE REFERENCED WELLS, WE WILL USE, PRODUCE, STORE, TRANSPORT, OR DISPOSE LESS THAN THE THRESHOLD PLANNING QUANTITY(TPQ) OF ANY EXTREMELY HAZARDOUS SUBSTANCES AS DEFINED IN 40 CFR 355.

### **Ten Point Plan**

Barrett Resources Corporation

Ute Tribal #3-29

Surface Location NE 1/4, NW 1/4, Section 29, T. 5 S., R. 4 W.

#### **1. Surface Formation:**

Uintah

#### **2. Estimated Formation Tops and Datum:**

<u>Formation</u>	<u>Depth</u>	<u>Datum</u>
Uintah	Surface	6712' GL
Green River	1360	
Oil Shale	2600	
Tgr3	3640	
Douglas Creek	4400	
Castle Peak Lime	5360	
Uteland Butte Ls	5740	
TD	5860	

#### **3. Producing Formation Depth:**

Formation objective include the Green River and its submembers.

Off Set Wells:

Oil Well	Ute Tribal 1-30	Sec. 30, T. 5 S., R. 4 W.
Oil Well	Ute Tribal 13-19	Sec. 19, T. 5 S., R. 4 W.
Oil Well	Ute Tribal 1-25	Sec. 25, T. 5 S., R. 4 W.
Oil Well	Ute Tribal 7-25	Sec. 25, T. 5 S., R. 4 W.

#### **4. Proposed Casing:**

<u>Hole Size</u>	<u>Casing</u>	<u>Weight/Ft.</u>	<u>Grade &amp; Thread</u>	<u>Set @</u>	<u>Casing</u>
12 1/2	8 5/8	24	J-55/STC	280	New/Used
7 7/8	5 1/2	15.5	J-55/STC	5860 T.D.	New/Used

### Cement Program:

<u>Casing</u>	<u>Cement</u>	<u>Cement Amount</u>
8 5/8	Class G Litepoz HI Class G cement Salt Bentonite Chemical extended FAC fluid loss	150 sx +50% excess
5 1/2	RFC cement Hilift Salt Class G cement Bentonite Chemical extender FAC fluid loss	Calculated from logs

### 5. BOP and Pressure Containment Data:

The anticipated bottom hole pressure will be less than 3000 psi.

A 3000 psi WP BOP system as described in the BOP and Pressure Containment Data (attached) will be installed and maintained from the 8 5/8" surface casing. The BOP system including the casing will be pressure tested to the minimum standards set forth in "On Shore Order #2". The BOP will be mechanically checked daily during drilling operation.

### 6. Mud Program:

Interval	Mud weight lbs/gal.	Viscosity Sec./Qt.	Fluid Loss MI/30 Mins, Mud Type	
0-280	Air/Clear Water	----	No Control	Water/Gel
280-2000	Clear Water	----	No Control	Water/Gel
2000-5910	8.4-8.6	30	No Control	5% KCL

### 7. Auxiliary Equipment:

Upper Kelly cock, full opening stabbing valve, 2 1/2" Choke manifold and pit level indicator.



**8. Testing, Coring, Sampling and Logging:**

- a) Test: None are anticipated.
- b) Coring: There is the possibility of sidewall coring.
- c) Sampling: Every 10' from 2000' to T.D.
- d) Logging:

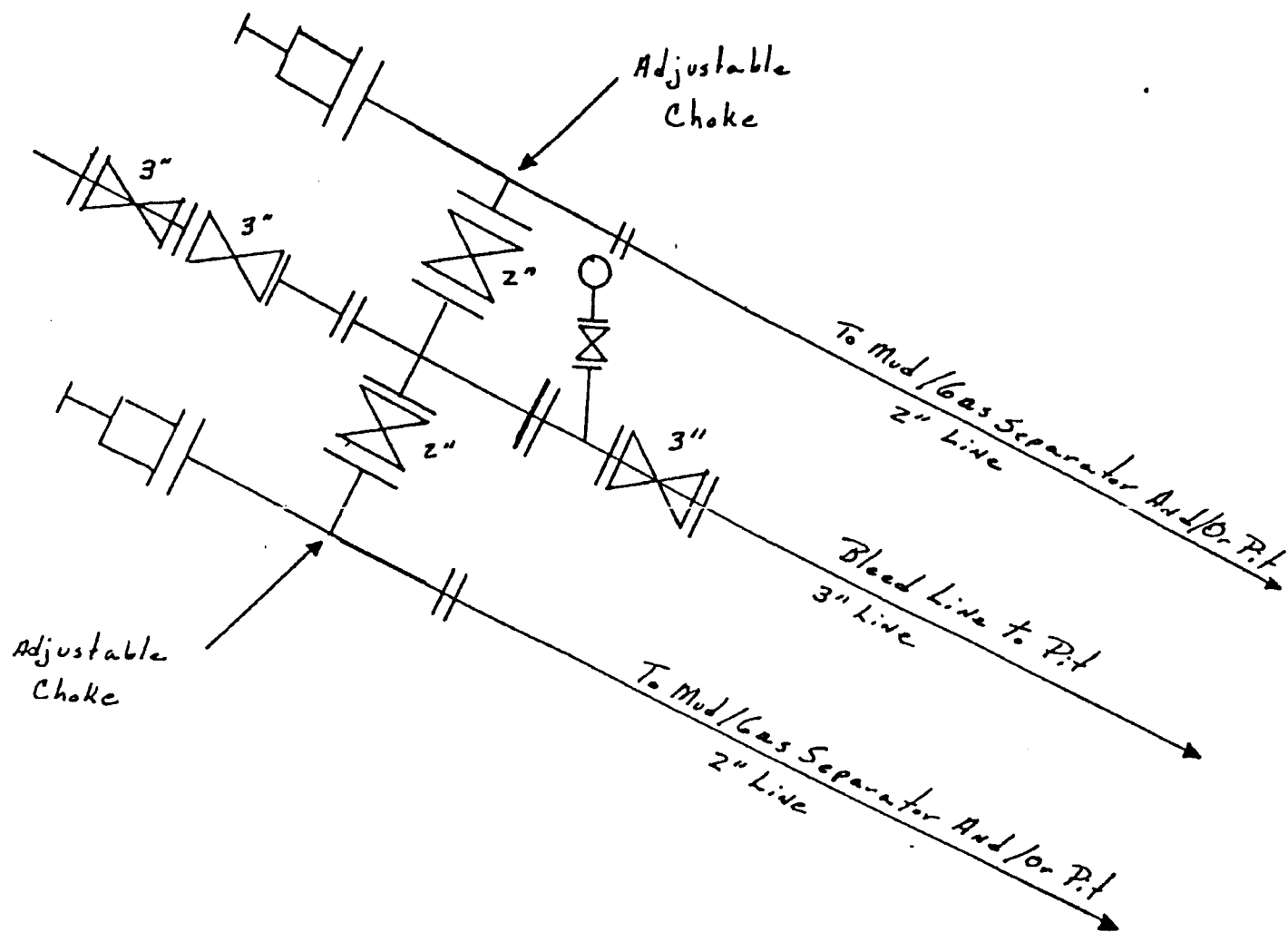
Type	Interval
DLL/SFL W/GR and SP	T.D. to Surf. Csg
FDC/CNL W/GR and CAL	T.D. to Surf. Csg

**9. Abnormalities (including sour gas):**

No abnormal pressures or temperatures or other hazards are anticipated. Oil and gas shows are anticipated in the Green River Formation. Other wells drilled in the area have not encountered over-pressured zones or H<sub>2</sub>S.

**10. Drilling Schedule:**

The anticipated starting date is May 20 1996. Duration of operations expected to be 150 days.

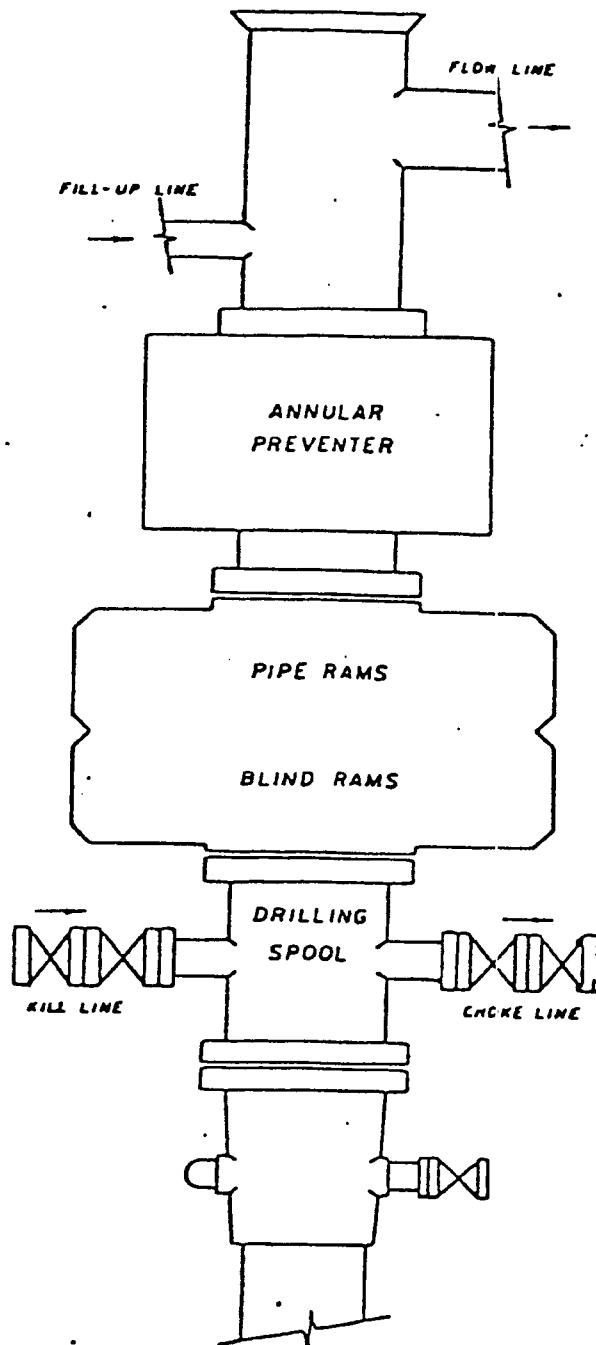


3,000 Psi Choke Manifold Equipment \*

Scott Brady

\* Note: Configuration May Vary

## BOP AND PRESSURE CONTAINMENT DATA



1. BOP equip shall consist of a double gate, hydraulically operated preventer with pipe & blind rams or two single ram type preventers, one equipped w/pipe rams, the other w/blind rams.
2. BOP's are to be well braced w/ hand controls extended clear of substructure.
3. Accumulator to provide closing pressure in excess of that required w/sufficient volume to operate all components.
4. Auxiliary equipment: Lower kelly cock, full opening stabbing valve, 2½" choke manifold, pit level indicator &/or flow sensors w/alarms
5. All BOP equipment, auxiliary equipment stand pipe & valves & rotary hose to be tested to the rated pressure of the BOP's at time of installation & every 30 days thereafter. BOP's to be mechanically checked daily.
6. Modification of hook-up or testing procedure must be approved in writing on tour reports by wellsite representative.

BARRETT RESOURCES CORPORATION

13 POINT SURFACE USE PLAN

FOR

WELL LOCATION

UTE TRIBAL 3-29

LOCATED IN

NE 1/4, NW 1/4

SECTION 29, T. 5 S., R. 4 W., U.S.B.&M.

DUCHESNE COUNTY, UTAH

LEASE NUMBER: BIA-14-20-H62

SURFACE OWNERSHIP: UTE TRIBE

## **1. EXISTING ROADS**

TO REACH THE BARRETT RESOURCES WELL, UTE TRIBAL 3-29 LOCATION, IN SECTION 29, T. 5 S., R. 4 W., FROM MYTON, UTAH.

START IN MYTON, UTAH. PROCEED WEST ON US HIGHWAY 40, 8.8 MILES TO THE ANTILOPE CANYON ROAD. TURN SOUTH AND PROCEED 6.6 MILES TO THE SOWERS CANYON ROAD. TURN RIGHT ON THE SOWERS CANYON ROAD AND PROCEED SOUTH AND WEST 3.7 MILES. TURN SOUTH ON AN OILFIELD ACCESS ROAD AT THE FORK IN THE ROAD AND PROCEED 4.5 MILES TO THE STARTING POINT OF THE NEW ACCESS ROAD, WHICH WILL TURN LEFT AND HEAD SOUTH ON THE ACCESS ROAD TO THE 1-30. TURN EAST AND GO 1/2 MILE TO LOC.

THE EXISTING OILFIELD SERVICE ROAD MAY NEED SOME SURFACE MATERIAL TO PREVENT OR REPAIR HOLES IN THE ROAD DUE TO HEAVY TRUCK TRAFFIC DURING THE DRILLING AND COMPLETION OPERATION. IF REPAIRS ARE MADE THE OPERATOR WILL SECURE SURFACING MATERIAL FROM PRIVATE SOURCES.

PLEASE SEE THE ATTACHED MAP FOR ADDITIONAL DETAILS.

## **2. PLANNED ACCESS ROAD**

APPROXIMATELY 2800 FEET OF NEW ROAD WILL BE REQUIRED.

DETAILS OF THE CONSTRUCTION ARE AS FOLLOWS-

LENGTH- 2800 ft (approx)

WIDTH - 32 ft. (approx)

GRADE- 10% or less

PLEASE SEE THE ATTACHED LOCATION PLAT FOR ADDITIONAL DETAILS.

NO RIGHT-OF-WAY WILL BE REQUIRED. ALL NEW CONSTRUCTION WILL BE CONDUCTED ON LEASE.

ALL TRAVEL WILL BE CONFINED TO EXISTING ACCESS ROAD RIGHT-OF-WAYS.

ACCESS ROADS AND SURFACE DISTURBING ACTIVITIES WILL CONFORM TO STANDARDS OUTLINED IN THE USGS PUBLICATION (1978) SURFACE OPERATION STANDARDS FOR OIL AND GAS DEVELOPMENT.

## **3. LOCATION OF EXISTING WELLS**

**A) PRODUCING WELLS:**

OIL WELL	UTE TRIBAL 1-30	SECTION 30, T. 5 S., R. 4 W.
OIL WELL	UTE TRIBAL 1-29	SECTION 29, T. 5 S., R. 4 W.
OIL WELL	UTE TRIBAL 7-19	SECTION 19, T. 5 S., R. 4 W.
OIL WELL	UTE TRIBAL 13-19	SECTION 19, T. 5 S., R. 4 W.
OIL WELL	UTE TRIBAL 1-20	SECTION 20, T. 5 S., R. 4 W.

**B) WATER WELLS:**

NONE

**C) ABANDONED WELLS:**

WELL 7-20 SECTION 20, T. 5 S., R. 4 W. WELL 15-24 SECTION 24, T. 5 S., R. 5 W.

D) TEMPORARILY ABANDONED WELLS NONE

E) DISPOSAL WELLS NONE

F) DRILLING WELLS NONE

G) SHUT IN WELLS NONE

H) INJECTION WELLS NONE

I) MONITORING OR OBSERVATION WELLS NONE

PLEASE SEE THE ATTACHED MAP FOR ADDITIONAL DETAILS.

**4. LOCATION OF TANK BATTERIES, PRODUCTION FACILITIES, AND PRODUCTION GATHERING AND SERVICE LINES.**

ALL PRODUCTION FACILITIES ARE TO BE CONTAINED WITH IN THE PROPOSED LOCATION SITE. PLEASE SEE THE ATTACHED PLOT PLAN FOR A TYPICAL PUMP JACK, AND SEPARATOR INSTALLED AND WELL SITE PIPING CONNECTION.

ALL PERMANENT(ON SITE FOR SIX MONTHS OR LONGER)STRUCTURES CONSTRUCTED OR INSTALLED WILL BE PAINTED A DESERT BROWN COLOR. ALL FACILITIES WILL BE PAINTED WITHIN SIX MONTHS OF INSTALLATION. FACILITIES REQUIRED TO COMPLY WITH O.S.H.A. (OCCUPATIONAL SAFETY AND HEALTH ACT) WELL BE EXCLUDED. THE REQUIRED PAINT COLOR IS DESERT BROWN ( IO YR. 6/4 ).

THE TANK BATTERY WILL BE SURROUNDED BY A DIKE OF SUFFICIENT CAPACITY TO CONTAIN THE STORAGE CAPACITY OF THE LARGEST TANK IN THE BATTERY. THE INTEGRITY OF THE DIKE WILL BE MAINTAINED.

ALL SITE SECURITY GUIDELINES IDENTIFIED IN 43 CFR 3126.7 REGULATION WILL BE ADHERED TO.

ALL OFF-LEASE STORAGE, OFF LEASE MEASUREMENT, OR COMMINGLING ON-LEASE OR OFF-LEASE WILL HAVE PRIOR WRITTEN APPROVAL FROM THE AUTHORIZED OFFICER.

THE GAS LINE HAS BEEN STAKED ON THE GROUND. THERE WILL BE NO ADDITIONAL SURFACE DISTURBANCES REQUIRED FOR THE INSTALLATION OF A GATHERING LINE.

GAS METER RUNS WILL BE LOCATED WITHIN 100' OF THE WELL HEAD. THE GAS LINE WILL BE BURIED, OR ANCHORED DOWN FROM THE WELL HEAD TO THE METER. METER RUNS WILL BE HOUSED AND/OR FENCED.

THE GAS METER WILL BE CALIBRATED AND THE TANK STRAPPED IN PLACE PRIOR TO ANY DELIVERIES. TESTS FOR METER ACCURACY WILL BE CONDUCTED MONTHLY FOR THE FIRST THREE MONTHS ON NEW METER INSTALLATIONS AND AT LEAST QUARTERLY THEREAFTER. THE AUTHORIZED OFFICER WILL BE PROVIDED WITH A DATE AND TIME FOR THE INITIAL METER CALIBRATION AND ALL FUTURE METER PROVING SCHEDULES. A COPY OF THE METER CALIBRATION REPORTS WILL BE SUBMITTED TO THE VERNAL DISTRICT OFFICE. ALL MEASUREMENT FACILITIES WILL CONFORM WITH API AND AGA STANDARDS FOR GAS AND LIQUID HYDROCARBON MEASUREMENT.

#### **5. LOCATION AND TYPE OF WATER SUPPLY**

WATER FOR THE WELL WILL BE HAULED BY TRUCK FROM JIM NEBEKER'S ( JOE SHIELDS) POND. WATER FOR COMPLETION WILL COME FROM THE SAME PONDS OR FROM ROOSEVELT CITY. A WATER WELL IS PLANNED FOR USE IN THIS AREA. A WATER USE AGREEMENT IS ALSO IN PLACE WITH UTE TRIBE.

#### **6. SOURCE OF CONSTRUCTION MATERIALS**

ALL CONSTRUCTION MATERIAL FOR THIS LOCATION SITE AND ACCESS ROAD SHALL BE BORROW MATERIAL ACCUMULATED DURING CONSTRUCTION OF THE LOCATION SITE AND ACCESS ROAD. ADDITIONAL ROAD GRAVELS OR PIT LINING MATERIAL WILL BE OBTAINED FROM PRIVATE SOURCES.

#### **7. METHODS FOR HANDLING WASTE DISPOSAL**

##### **A) PIT CONSTRUCTION AND LINERS:**

THE RESERVE PIT WILL BE APPROX. 10 FT. DEEP AND AT LEAST ONE-HALF OF THE DEPTH SHALL BE BELOW THE SURFACE OF THE EXISTING GROUND.

THE RESERVE PIT WILL BE LINED WITH A 12 MIL PIT LINER. THE PIT LINER WILL BE TORN AND PERFORATED AFTER THE PIT DRIES AND BEFORE BACK FILLING THE RESERVE PIT. THE RESERVE PIT WILL BE REASONABLY FREE OF HYDROCARBONS BEFORE THE PIT IS BACK FILLED.

ONE-HALF OF THE RESERVE PIT WILL BE USED AS A FRESH WATER STORAGE AREA DURING THE DRILLING OF THIS WELL AND THE OTHER ONE-HALF WILL BE USED TO STORE NON-FLAMMABLE MATERIALS SUCH AS CUTTINGS, SALT, DRILLING FLUIDS, CHEMICALS, PRODUCED FLUIDS, ETC.

**B)PRODUCED FLUIDS:**

PRODUCED WATER WILL BE CONFINED TO THE RESERVE PIT, OR IF DEEMED NECESSARY, A STORAGE TANK FOR A PERIOD NOT TO EXCEED 90 DAYS AFTER INITIAL PRODUCTION. DURING THE 90 DAY PERIOD AN APPLICATION FOR APPROVAL FOR A PERMANENT DISPOSAL METHOD AND LOCATION WELL BE SUBMITTED TO THE AUTHORIZED OFFICER.

**C)GARBAGE:**

A TRASH CAGE, FABRICATED FROM EXPANDED METAL WELL BE USED TO HOLD TRASH ON LOCATION AND WILL BE REMOVED TO AN AUTHORIZED LAND FELL LOCATION.

**D) SEWAGE:**

A PORTABLE CHEMICAL TOILET WILL BE SUPPLIED FOR HUMAN WASTE.

**E) SITE CLEAN-UP**

AFTER TEE RIG IS MOVED OUT THE AREA AROUND THE WELL SITE WILL BE CLEANED AND ALL REFUSE REMOVED.

**8. ANCILLARY FACILITIES**

THERE ARE NO ANCILLARY FACILITIES PLANNED FOR AT THIS TIME AND NONE ARE FORESEEN FOR THE FUTURE.

**9. WELISITE LAYOUT**

LOCATION DIMENSION ARE AS FOLLOW:

A)	PAD LENGTH	300 FT.
B)	PAD WIDTH	140 FT.
C)	PIT DEPTH	10 FT.
D)	PIT LENGTH	150 FT.



E)	PIT WIDTH	100 FT.
F)	MAX CUT	15.5 FT.
G)	MAX FILL	4.5 FT.
H)	TOTAL CUT YDS	7560 CU. YDS.
I)	PIT LOCATION	SOUTHEAST CORNER
J)	TOP SOIL LOCATION	SOUTH END
K)	ACCESS ROAD LOCATION	FROM THE WEST SIDE
L)	FLARE PIT	ON THE SOUTHWEST CORNER.

PLEASE SEE THE ATTACHED LOCATION DIAGRAM FOR ADDITIONAL DETAILS.

ALL PITS WILL BE FENCED ACCORDING TO THE FOLLOWING STANDARDS:

- A) 39 INCH NET WIRE SHALL BE USED WITH AT LEAST ONE STRAND OF WIRE ON TOP OF THE NET WIRE (BARBED WIRE IS NOT NECESSARY IF PIPE OR SOME TYPE OF REINFORCEMENT ROD IS ATTACHED TO THE TOP OF THE ENTIRE FENCE).
- B) THE NET WIRE SHALL BE NO MORE THAN 2 INCHES ABOVE THE GROUND. THE BARBED WIRE SHALL BE 3 INCHES ABOVE THE NET WIRE. TOTAL HEIGHT OF THE FENCE SHALL BE AT LEAST 42 INCHES.
- C) CORNER POSTS SHALL BE CEMENTED AND/OR BRACED IN SUCH A MANNER TO KEEP THE FENCE TIGHT AT ALL TIMES.
- D) STANDARD STEEL, WOOD OR PIPE POSTS SHALL BE USED BETWEEN THE CORNER BRACES. DISTANCE BETWEEN ANY TWO POSTS SHALL BE NO GREATER THAN 16 FEET.
- E) ALL WIRE SHALL BE STRETCHED, BY USING A STRETCHING DEVICE, BEFORE IT IS ATTACHED TO THE CORNER POSTS.

#### 10. PLANS FOR RESTORATION OF THE SURFACE

PRIOR TO CONSTRUCTION OF THE LOCATION, THE TOP 12 INCHES OF SOIL MATERIAL WILL BE STRIPPED AND STOCKPILED. TIES WILL AMOUNT TO APPROXIMATELY 2,020 CUBIC YARDS OF MATERIAL. PLACEMENT OF THE TOP SOIL IS NOTED ON THE ATTACHED LOCATION PLAT. WHEN ALL DRILLING AND COMPLETION ACTIVITIES HAVE BEEN COMPLETED THE UNUSED PORTION OF THE LOCATION (THE AREA OUT SIDE THE DEAD MEN) WILL BE RECONTOURED AND THE TOPSOIL SPREAD OVER THE DISTURBED AREA.

THE DIRT CONTRACTOR WILL BE PROVIDED WITH AN APPROVED COPY OF THE SURFACE USE PLAN PRIOR TO CONSTRUCTION ACTIVITIES.

ANY DRAINAGE REROUTED DURING THE CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO IT'S ORIGINAL LINE OF FLOW OR AS NEAR AS POSSIBLE.

ALL DISTURBED AREAS WILL BE RECONTOURED TO THE APPROXIMATE NATURAL CONTOURS. PRIOR TO BACK FILLING THE PIT THE FENCES AROUND THE RESERVE PIT WILL BE REMOVED. THE PIT LINER WILL BE CUT OFF AT THE WATER OR MUD LINE AND DISPOSED OF AT AN APPROVED LAND FILL SITE. THE LINER WILL ALSO BE TORN AND PERFORATED AFTER THE PIT DRIES AND BEFORE BACK FILLING OF THE RESERVE PIT.

THE RESERVE PIT WILL BE RECLAIMED WITHIN 90 DAYS OF WELL COMPLETION. IF THE RESERVE PIT HAS NOT DRIED SUFFICIENTLY TO ALLOW BACK FILLING AN EXTENSION ON THE TIME REQUIREMENT FOR BACK FILLING THE PIT WILL BE REQUESTED. ONCE RECLAMATION ACTIVITIES HAVE BEGUN, THEY SHALL BE COMPLETED WITHIN 30 DAYS.

AFTER THE RESERVE PIT HAS BEEN RECLAIMED NO DEPRESSIONS IN THE SOIL COVERING THE RESERVE PIT WILL BE ALLOWED. THE OBJECTIVE IS TO KEEP SEASONAL RAIN FALL AND RUN OFF FROM SEEPING INTO THE SOIL USED TO COVER THE RESERVE PIT. DIVERSION DITCHES AND WATER BARS WILL BE USED TO DIVERT RUN OFF AS NEEDED.

WHEN RESTORATION ACTIVITIES HAVE BEEN COMPLETED, THE LOCATION SITE AND NEW ACCESS ROAD CUTS AND SHOULDERS SHALL BE RESEDED. PRIOR TO RESEEDING, ALL DISTURBED AREAS, INCLUDING THE OLD ACCESS ROAD, WILL BE SCARIFIED AND LEFT WITH A ROUGH SURFACE.

A) RECOMMENDED SEED MIXTURE:

RUSSIAN RYE 6# PER ACRE. FAIRWAY CRESTED WHEAT GRASS 6# PER ACRE.

B) SEEDING DATES:

AFTER SEPTEMBER 15, AND BEFORE THE GROUND FREEZES.

SEED WILL BE BROADCAST OR DRILLED AT THE TIME SPECIFIED BY THE BLM. IF BROADCAST, A HARROW OR SOME OTHER IMPLEMENT WILL BE DRAGGED OVER THE SEEDED AREA TO ASSURE SEED COVERAGE AND THE SEED MIXTURE WILL BE PROPORTIONATELY LARGER (DOUBLE THE LBS. PER ACRE).

AT SUCH TIME AS THE WELL IS PLUGGED AND ABANDONED THE OPERATOR WILL SUBMIT A SURFACE RECLAMATION PLAN TO THE SURFACE MANAGEMENT AGENCY FOR PRESCRIBED SEED MIXTURE AND RESEEDING REQUIREMENTS.

## **11. SURFACE OWNERSHIP: THE UTE TRIBE**

## **12. OTHER INFORMATION**

### **A) VEGETATION:**

THE TREES IN THE AREA ARE CEDAR AND PINION. THE VEGETATION COVERAGE IS SLIGHT. THE MAJORITY OF THE EXISTING VEGETATION IS MADE UP OF RABBIT, SAGE, AND BITTER BRUSH. ALSO FOUND ON THE LOCATION IS PRICKLY PEAR, INDIAN RICE GRASS AND YUCCA.

### **B) DWELLINGS:**

THERE ARE NO OCCUPIED DWELLINGS, OR OTHER FACILITIES WITHIN A ONE MILE RADIUS OF THIS LOCATION.

### **C) ARCHAEOLOGY:**

THE LOCATION HAS BEEN SURVEYED AND THERE ARE NO ARCHAEOLOGICAL HISTORICAL, OR CULTURAL SITES NEAR THE PROPOSED SITE. PLEASE SEE THE ATTACHED ARCHAEOLOGICAL CLEARANCE MAP.

IF, DURING OPERATIONS, ANY ARCHAEOLOGICAL OR HISTORICAL SITES, OR ANY OBJECTS OF ANTIQUITY (SUBJECT TO THE ANTIQUITIES ACT OF JUNE 8, 1906) ARE DISCOVERED, ALL OPERATIONS WHICH WOULD AFFECT SUCH SITES ARE TO BE SUSPENDED AND THE DISCOVERY REPORTED PROMPTLY TO THE SURFACE MANAGEMENT AGENCY.

### **D) WATER:**

THE NEAREST WATER IS IN THE BOTTOM OF SOWERS CANYON 2.5 MILES TO THE NORTH.

### **E) WOOD:**

NO WOOD PERMIT WILL BE REQUIRED FOR THIS LOCATION BARRETT RESOURCES HAS A JOINT VENTURE AGREEMENT WITH THE UTE TRIBE. THIS AGREEMENT MAKES IT UNNECESSARY FOR BARRETT RESOURCES TO OBTAIN A WOOD PERMIT. PLEASE SEE THE JOINT VENTURE AGREEMENT, BETWEEN ZINKE & TRUMBO LTD., WHICH HAS BEEN ASSIGNED TO BARRETT RESOURCES, IF YOU REQUIRE ADDITIONAL INFORMATION.

### **F) CHEMICALS:**

NO PESTICIDES, HERBICIDES OR OTHER POSSIBLE HAZARDOUS CHEMICALS SHALL BE USED WITHOUT PRIOR APPLICATION.

**G) NOTIFICATION:**

- a) BLM, VERNAL, UT., STAN ALMSTEAD 801-789-1362 24 TO 48 HOURS BEFORE CONSTRUCTION OF THE LOCATION. ALSO AFTER SITE CONSTRUCTION AND BEFORE THE RIG MOVES IN.
- b) BIA, FT. DUCHESNE UT. , CHARLIE CAMERON 801-722-2406 ,24 TO 48 HOURS BEFORE CONSTRUCTION OF THE LOCATION. ALSO AFTER SITE CONSTRUCTION AND BEFORE THE RIG MOVES IN.
- c) UTE TRIBE, MINERALS DIVISION, FT. DUCHESNE, FERRON SECAKUKU 801-722-4992 ,24-48 HOURS BEFORE CONSTRUCTION AND BEFORE THE RIG MOVES IN.

**H) FLARE PIT**

THE FLARE PIT WILL BE LOCATED A OF 30 FEET FROM THE RESERVE PIT FENCE AND 100 FEET FROM THE BORE HOLE ON THE SOUTH AND WEST SIDE OF THE LOCATION, BETWEEN POINTS 5 AND 6 ON THE LOCATION PLAT. ALL FLUIDS WILL BE REMOVED FROM THE PIT WITHIN 48 HOURS OF OCCURRENCE.

**I) GRAZING PERMITTEE:**

UTE TRIBAL LIVESTOCK ENTERPRISES  
FT. DUCHESNE, UT.  
801-722-2406

**13. LESSEES OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION**

**A) REPRESENTATIVE**

NAME: SCOTT BRADY

ADDRESS: BARRETT RESOURCES CORP., 120 N. RAILROAD P.O. BOX #370  
PARACHUTE, CO. 81635

PHONE 970-285-9377

CELLULAR 970-250-3680

ALL LEASE AND/OR UNIT OPERATIONS WILL BE CONDUCTED IN SUCH A MANNER THAT FULL COMPLIANCE IS MADE WITH ALL APPLICABLE LAWS, REGULATIONS, ONSHORE OIL AND GAS ORDERS, THE APPLICABLE LAWS, REGULATIONS, AND ANY APPLICABLE NOTICES

TO LESSEES. THE OPERATORS IS FULLY RESPONSIBLE FOR THE ACTIONS OF HIS SUBCONTRACTORS. A COPY OF THESE CONDITIONS WILL BE FURNISHED TO THE FIELD REPRESENTATIVE TO ENSURE COMPLIANCE.

THIS DRILLING PERMIT WILL BE VALID FOR A PERIOD OF ONE YEAR FROM THE DATE OF APPROVAL. AFTER PERMIT TERMINATION, A NEW APPLICATION WILL BE FILED FOR APPROVAL FOR ANY FUTURE OPERATIONS.

B) CERTIFICATION

I HEREBY CERTIFY THAT I, OR PERSONS UNDER MY DIRECT SUPERVISION, HAVE INSPECTED THE PROPOSED DRILL-SITE AND ACCESS ROUTE; THAT I AM FAMILIAR WITH THE CONDITIONS WHICH PRESENTLY EXIST; THAT THE STATEMENTS MADE IN THIS PLAN ARE, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE AND CORRECT; AND THAT THE WORK ASSOCIATED WITH THE OPERATION PROPOSED HEREIN WILL BE PERFORMED BY BARRETT RESOURCES AND ITS CONTRACTORS AND SUBCONTRACTORS IN CONFORMITY WITH THIS PLAN AND TERMS AND CONDITIONS WITH TTES PLAN AND THE TERMS AND CONDITIONS UNDER WHICH IT IS APPROVED.

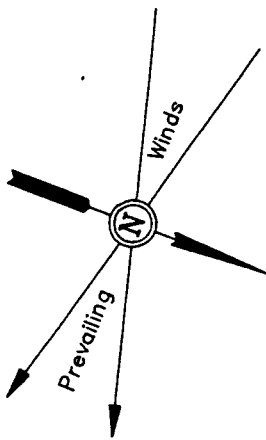
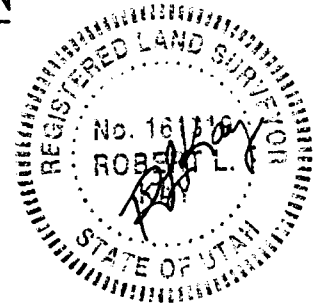
DATE\_\_\_\_\_

SCOTT BRADY  
DRILLING FOREMAN  
BARRETT RESOURCES CORP.

# BARRETT RESOURCES CORPORATION

## LOCATION LAYOUT FOR

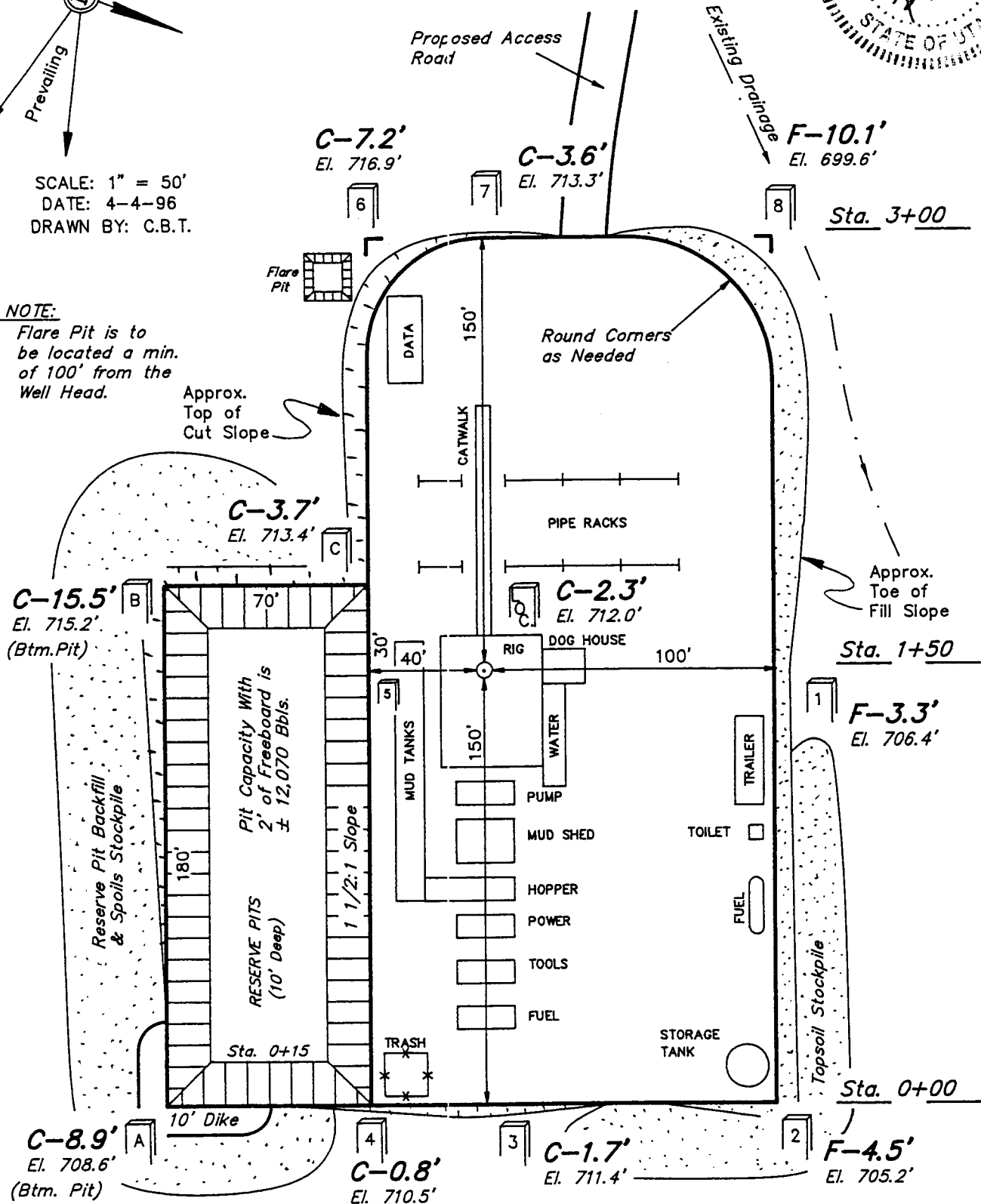
UTE TRIBAL #3-29  
SECTION 29, T5S, R4W, U.S.B.&M.  
585' FNL 1802' FWL



SCALE: 1" = 50'  
DATE: 4-4-96  
DRAWN BY: C.B.T.

### NOTE:

Flare Pit is to be located a min. of 100' from the Well Head.



Elev. Ungraded Ground at Location Stake = 6712.0'  
Elev. Graded Ground at Location Stake = 6709.7'

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017

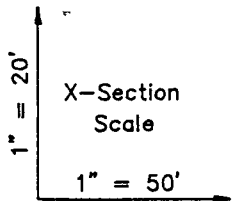
# BARRETT RESOURCES CORPORATION

## TYPICAL CROSS SECTIONS FOR

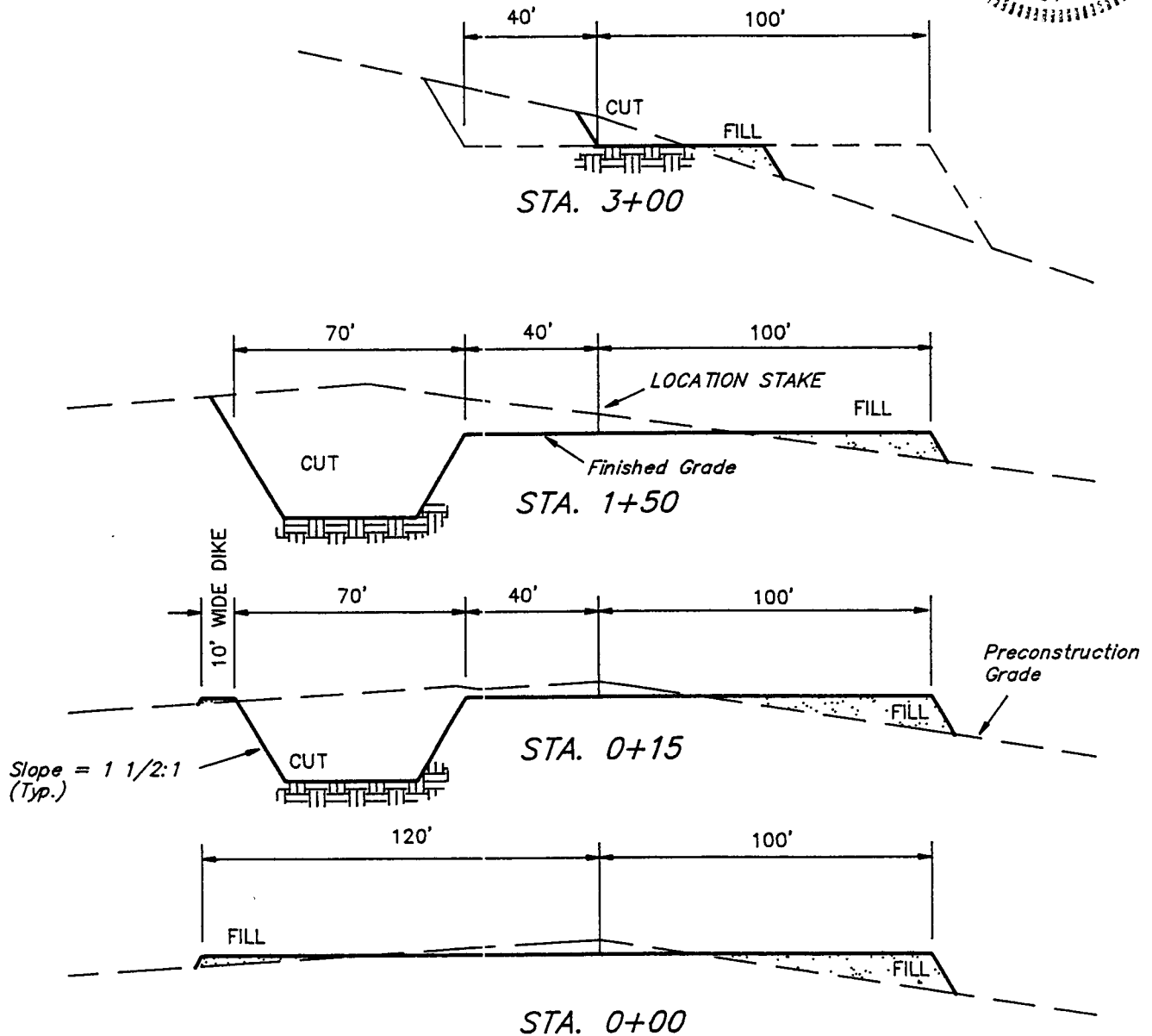
UTE TRIBAL #3-29

SECTION 29, T5S, R4W, U.S.B.&M.

585' FNL 1802' FWL



DATE: 4-4-96  
DRAWN BY: C.B.T.

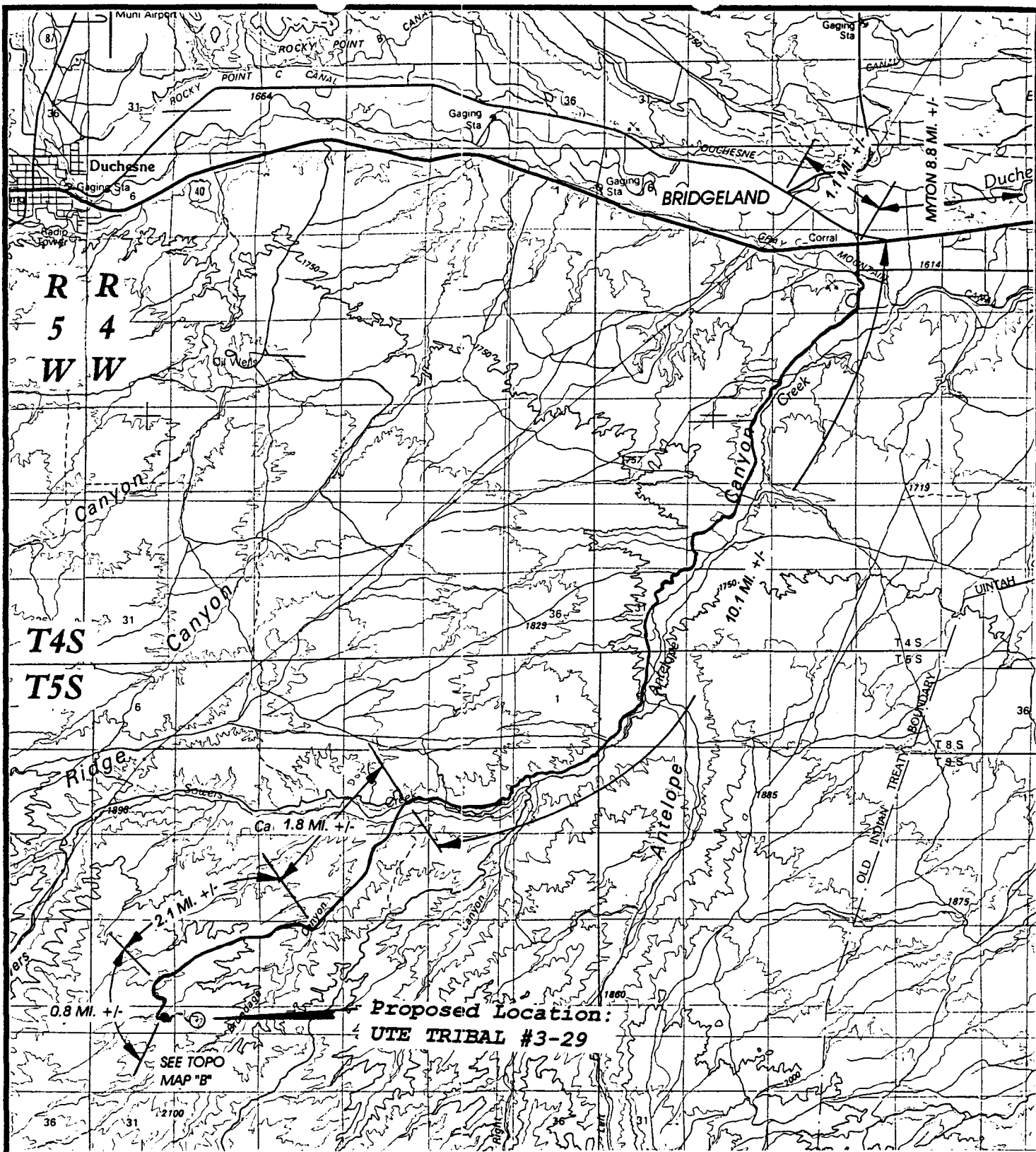


### APPROXIMATE YARDAGES

CUT	
(12") Topsoil Stripping	= 2,020 Cu. Yds.
Remaining Location	= 5,540 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 7,560 CU.YDS.</b>
<b>FILL</b>	<b>= 3,660 CU.YDS.</b>

EXCESS MATERIAL AFTER 5% COMPACTION	= 3,710 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,710 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 0 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017



U  
E  
L  
S

**TOPOGRAPHIC  
MAP "A"**

DATE: 3-30-96  
Drawn by: D.R.B.

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017

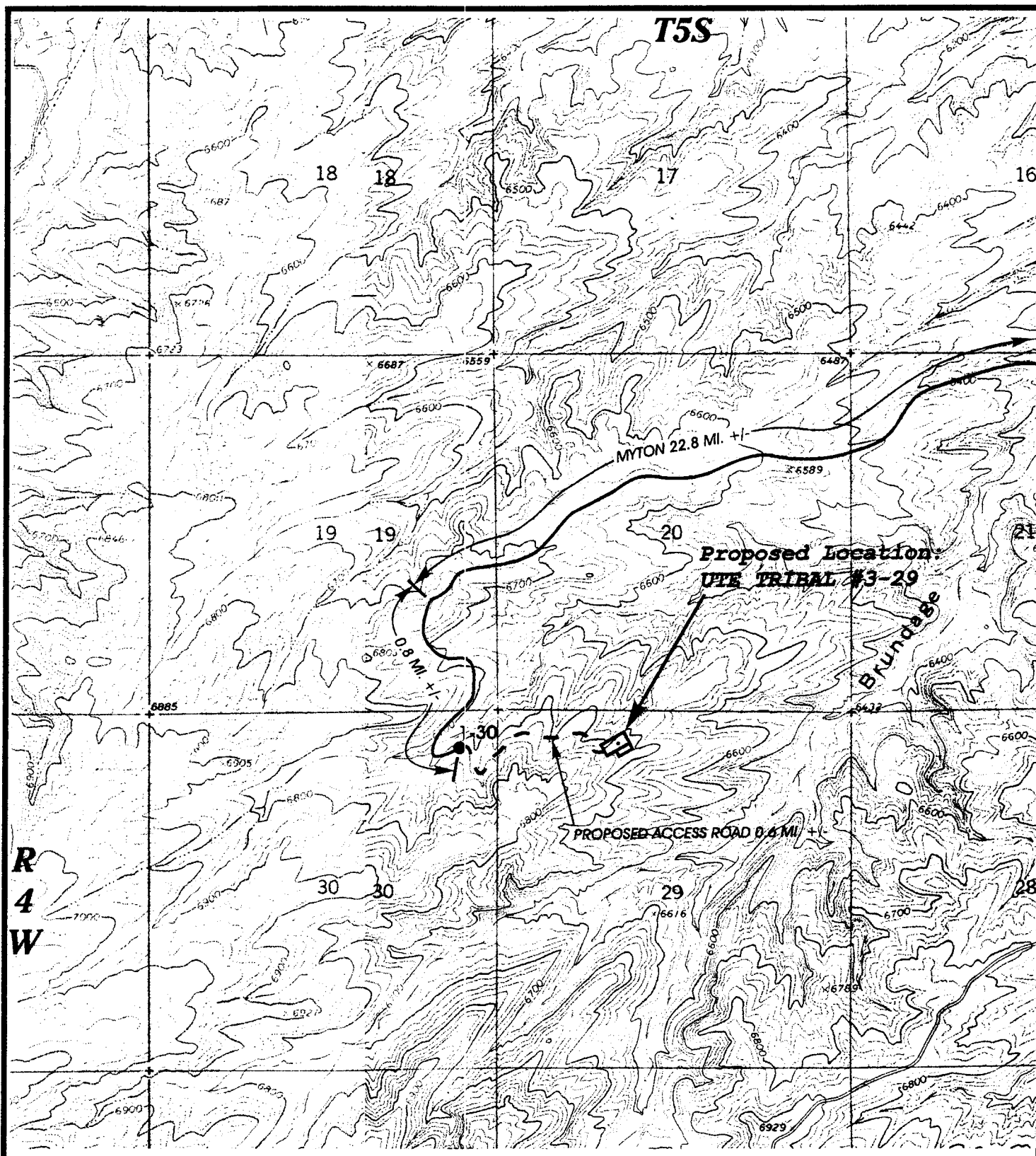


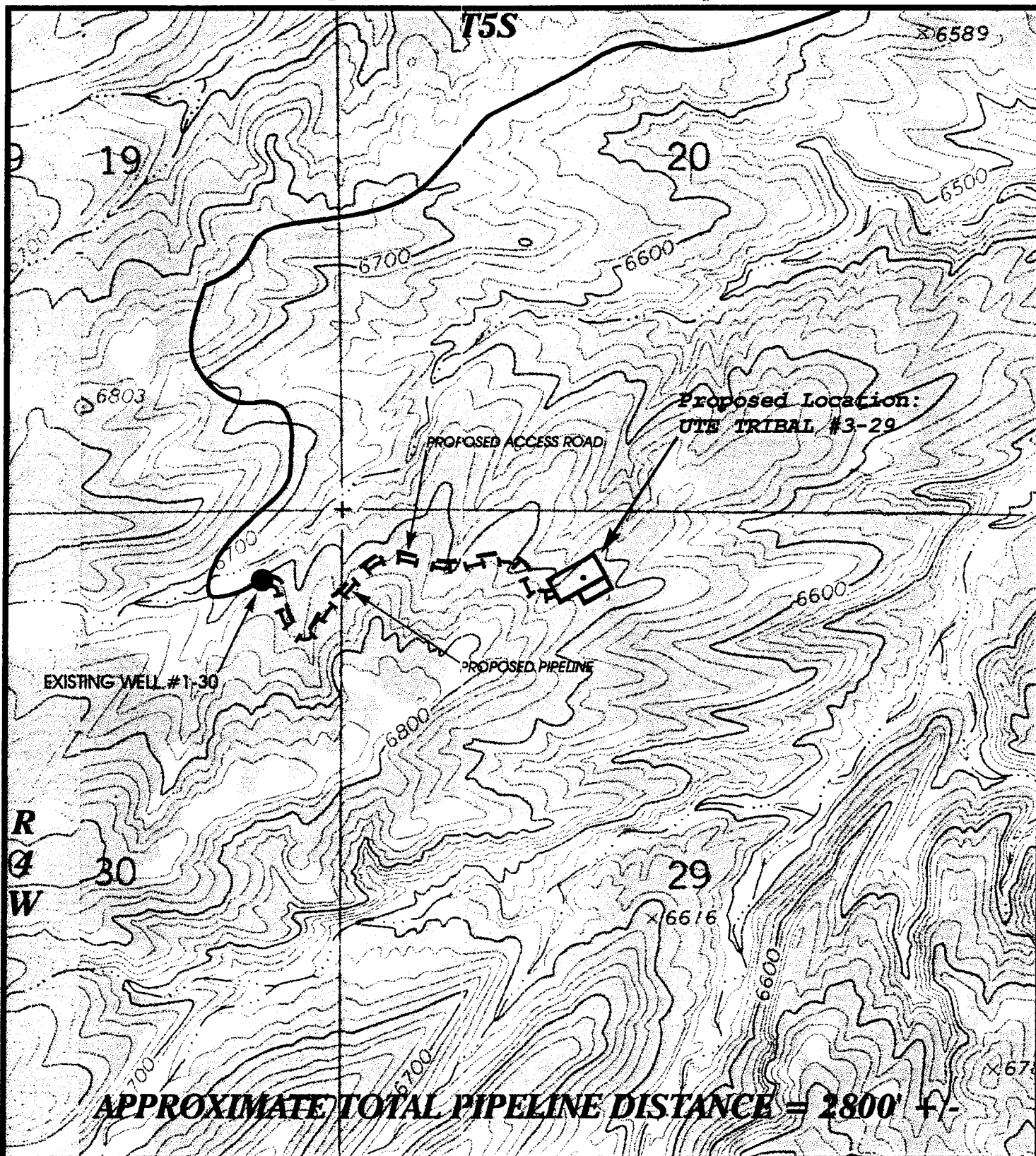
**BARRETT RESOURCES CORPORATION**

UTE TRIBAL #3-29  
SECTION 29, T5S, R4W, U.S.B.&M.  
585' FNL 1802' FWL

Revised: 4-4-96 D.COX







U  
E  
L  
S

**TOPOGRAPHIC  
MAP "C"**

----- Existing Pipeline  
 HHHHHHHH Proposed Pipeline



**BARRETT RESOURCES CORPORATION**

UTE TRIBAL #3-29  
 SECTION 29, T5S, R4W, U.S.B.&M.

DATE: 3-30-96

Drawn by: D.COX

Revised: 4-4-96 D.COX

UINTAH ENGINEERING & LAND SURVEYING  
 85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 05/03/96

API NO. ASSIGNED: 43-013-31652

WELL NAME: UTE TRIBAL 3-29  
OPERATOR: BARRETT RESOURCES CORP (N9305)

PROPOSED LOCATION:

NENW 29 - T05S - R04W  
SURFACE: 0585-FNL-1802-FWL  
BOTTOM: 0585-FNL-1802-FWL  
DUCHESNE COUNTY  
BRUNDAGE CANYON FIELD (072)

LEASE TYPE: IND  
LEASE NUMBER: 14-20-H62

PROPOSED PRODUCING FORMATION: GRRV

INSPECT LOCATION BY: / /

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

\_\_\_ Plat  
\_\_\_ Bond: Federal[] State[] Fee[]  
   (Number \_\_\_\_\_)  
\_\_\_ Potash (Y/N)  
\_\_\_ Oil shale (Y/N)  
\_\_\_ Water permit  
   (Number \_\_\_\_\_)  
\_\_\_ RDCC Review (Y/N)  
   (Date: \_\_\_\_\_)

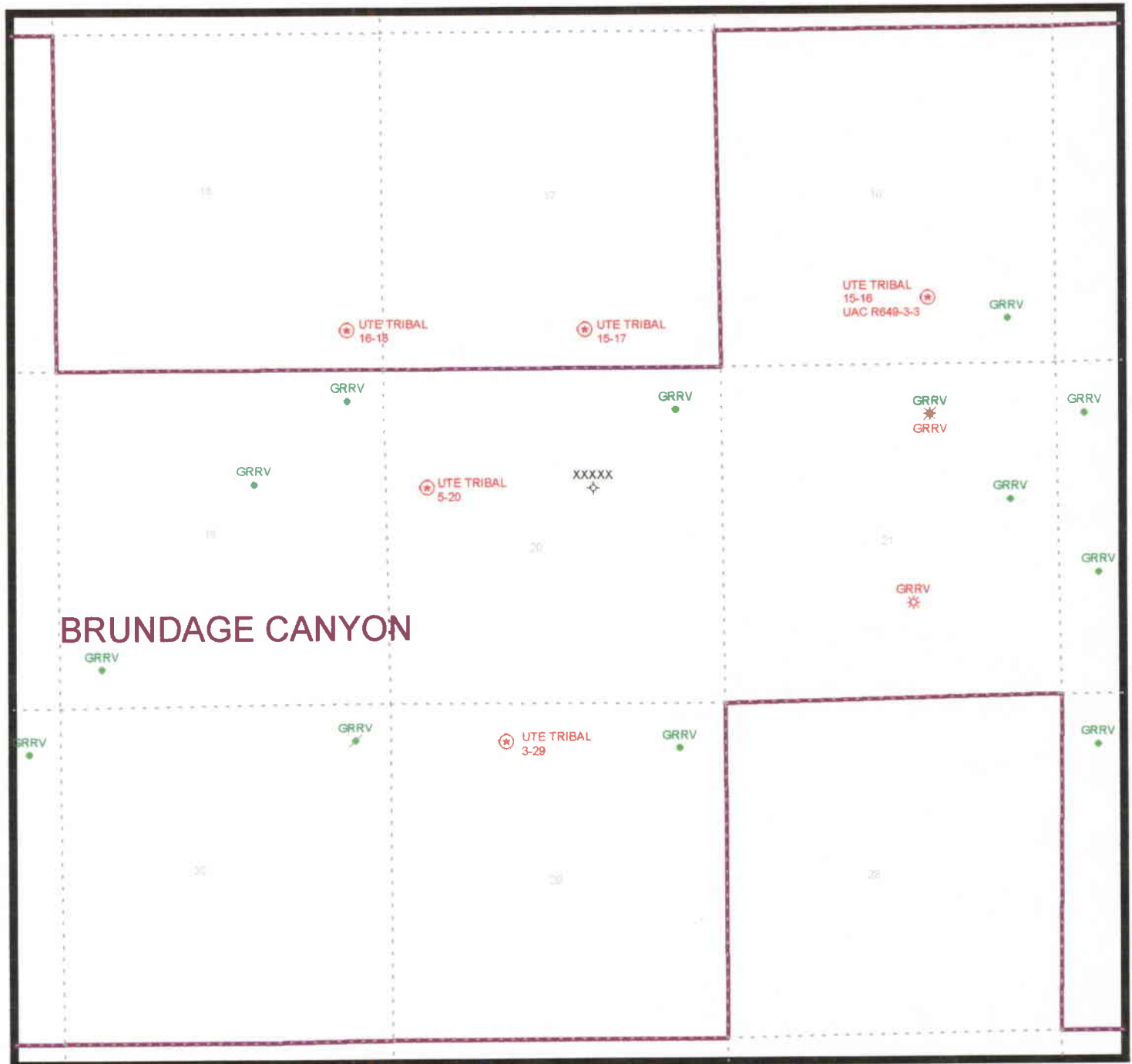
LOCATION AND SITING:

\_\_\_ R649-2-3. Unit: \_\_\_\_\_  
\_\_\_ R649-3-2. General.  
\_\_\_ R649-3-3. Exception.  
\_\_\_ Drilling Unit.  
   Board Cause no: \_\_\_\_\_  
   Date: \_\_\_\_\_

COMMENTS: \_\_\_\_\_

STIPULATIONS: \_\_\_\_\_

BARRETT RESOURCES CORP.  
BRUNDAGE CANYON DRILLING  
SECTIONS 16,17,18,20, & 29, T5S, R4W  
DUCHESNE COUNTY, UAC R649-3-2 & 3-3



**PREPARED:**  
**DATE: 6-MAY-96**

**STATE OF UTAH, DIV OF OIL, GAS & MINERALS**

<b>Operator: BARRETT RESOURCES CORP</b>	<b>Well Name: UTE TRIBAL 03-29</b>
<b>Project ID: 43-013-31652</b>	<b>Location: SEC.29 - T05S - R04W</b>

**Design Parameters:**

Mud weight ( 8.60 ppg) : 0.447 psi/ft  
 Shut in surface pressure : 2271 psi  
 Internal gradient (burst) : 0.059 psi/ft  
 Annular gradient (burst) : 0.000 psi/ft  
 Tensile load is determined using air weight  
 Service rating is "Sweet"

**Design Factors:**

Collapse : 1.125  
 Burst : 1.00  
 8 Round : 1.80 (J)  
 Buttress : 1.60 (J)  
 Other : 1.50 (J)  
 Body Yield : 1.50 (B)

Length (feet)		Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost	
1	5,860	5.500	15.50	J-55	ST&C	5,860	4.825		
	Load (psi)	Collapse Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	2618	4040	1.543	2618	4810	1.84	90.83	202	2.22 J

Prepared by : , Salt Lake City, Utah  
 Date : 05-07-1996  
 Remarks :

Minimum segment length for the 5,860 foot well is 1,500 feet.  
 SICP is based on the ideal gas law, a gas gravity of 0.69, and a mean gas temperature of 115°F (Surface 74°F , BHT 156°F & temp. gradient 1.400°/100 ft.)  
 String type: Production  
 The mud gradient and bottom hole pressures (for burst) are 0.447 psi/ft and 2,618 psi, respectively.

**NOTE:** The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - collapse (with evacuated casing), 1.0 - (uniaxial) burst, 1.8 - API 8rd tension, 1.6 - buttress tension, 1.5 - body yield tension, and 1.6 - EUE 8rd tension. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.  
 Costs for this design are based on a 1987 pricing model. (Version 1.07)



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

May 7, 1996

Barrett Resources Corporation  
P.O. Box 370  
Parachute, Colorado 81635

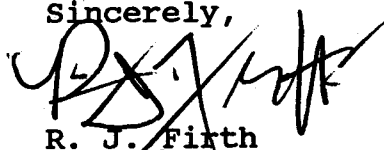
Re: Ute Tribal 3-29 Well, 535' FNL, 1802' FWL, NE NW, Sec. 29,  
T. 5 S., R. 4 W., Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31652.

Sincerely,



R. J. Firth  
Associate Director

lwp

Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office

WAPD



Operator: Barrett Resources Corporation  
Well Name & Number: Ute Tribal 3-29  
API Number: 43-013-31652  
Lease: 14-20-H62  
Location: NE NW Sec. 29 T. 5 S. R. 4 W.

### Conditions of Approval

1. General  
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.
2. Notification Requirements  
Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5340.  
  
Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews or Mike Hebertson at (801)538-5340.
3. Reporting Requirements  
All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

5. LEASE DESIGNATION AND SERIAL NO.

UTE 14-20-H62

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

UTE TRIBAL

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

9. API WELL NO.  
UTE TRIBAL 3-29

10. FIELD AND FOLL, OR WILDCAT

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA  
SEC 29 T5S R4W

12. COUNTY OR PARISH 13. STATE  
DUCHESE UTAH

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER

SINGLE ZONE ☐

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Barrett Resources Corp

3. ADDRESS AND TELEPHONE NO.

P.O. Box 370. Parachute Colorado 81635

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface  
585' FNL 1802' FWL NE 1/4 NW 1/4 SEC 29 T5S R4W  
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

20 Miles south of Myton, Utah

10. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drig. unit line, if any)

585

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

2500'

19. PROPOSED DEPTH

5860'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6712'

22. APPROX. DATE WORK WILL START\*

MAY 20 1996

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	85/8	24.3	280	TO SURFACE
7 7/8	51/2	15.5	5860	CMT TOP TO COVER OIL SHALE

OPERATOR REQUESTS PERMISSION TO DRILL THE SUBJECT WELL

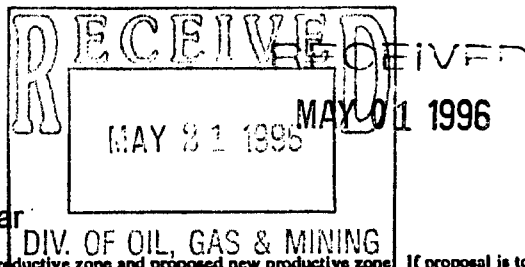
PLEASE SEE THE ATTACHED 10 POINT AND THE 13 POINT SURFACE USE PLAN

IF YOU REQUIRE ADDITIONAL INFORMATION PLEASE CONTACT:

Scott Brady

P.O.Box 370. Parachute, Colorado.

970-285-9377 office 970-250-3680 cellular



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE

Drilling Foreman

DATE

April 10, 1996

(This space for Federal or State office use)

CONDITIONS OF APPROVAL ATTACHED

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

APPROVED BY

TITLE

Acting ASSISTANT DISTRICT  
MANAGER MINERALS

DATE

MAY 17 1996

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Div O&M



**CONDITIONS OF APPROVAL**  
**APPLICATION FOR PERMIT TO DRILL**

Company/Operator: Barrett Resources Corporation

Well Name & Number: Ute Tribal 3-29

API Number: 43-013-31652

Lease Number: 14-20-H62-3416

Location: NENW Sec. 29 T. 5S R. 4W

**NOTIFICATION REQUIREMENTS**

- |                                 |   |   |
|---------------------------------|---|---|
| Location Construction           | - | at least forty-eight (48) hours prior to construction of location and access roads.   |
| Location Completion             | - | prior to moving on the drilling rig.  |
| Spud Notice                     | - | at least twenty-four (24) hours prior to spudding the well.   |
| Casing String and Cementing     | - | at least twenty-four (24) hours prior to running casing and cementing all casing strings.   |
| BOP and Related Equipment Tests | - | at least twenty-four (24) hours prior to initiating pressure tests.   |
| First Production Notice         | - | within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days. |

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

### **CONDITIONS OF APPROVAL FOR NOTICE TO DRILL**

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

#### **A. DRILLING PROGRAM**

##### **1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered**

Report ALL water shows and water-bearing sands to Tim Ingwell of this office. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

##### **2. Pressure Control Equipment**

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a 2M system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

The Vernal District Office shall be notified, at least 24 hours prior to initiating the pressure tests, in order to have a BLM representative on location during pressure testing.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the usable water zone, identified at 1,227 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

The Vernal District Office shall be notified at least 24 hours prior to the running and cementing of all casing strings, in order to have a BLM representative on location while running and cementing all casing strings.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to  $\pm 1,027$  ft., and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours prior to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling onlease or off-lease will have prior written approval from the AO.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted on initial meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, please contact one of the following individuals:

Ed Forsman (801) 789-7077  
Petroleum Engineer

Wayne P. Bankert (801) 789-4170  
Petroleum Engineer

Jerry Kenczka (801) 781-1190  
Petroleum Engineer

BLM FAX Machine (801) 781-4410

## EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

**SURFACE USE PLAN OF OPERATION**  
Conditions of Approval (COA's)

1. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the areas examined, as referenced in report, and to the existing roadways and/or evaluated access routes.
2. All recommendations of the Bureau of Indian Affairs, combined site specific Environmental Analysis (EA) report shall be strictly adhered, during and after construction.
3. All personnel should refrain from collecting artifacts and from disturbing any significant cultural or paleontological resources in the area.
4. The personnel from the Ute Tribe Energy & Minerals Department should be consulted, should cultural remains from subsurface deposits be exposed during construction work.

**Mitigation stipulations** from the combined site specific Environmental Analysis.

1. Before the site is abandoned the company will be required to restore the well pad and access road to near their original state. The disturbed area will be reseeded with desirable perennial vegetation.
2. Noxious weeds will be controlled on all well sites and rights-of-way. If noxious weeds spread from the well sites or rights-of-way onto adjoining land, the company will also be responsible for their control.
3. The pipeline will be constructed to lay on the soil surface, and the right-of-way will not be bladed or cleared of vegetation.

Where pipelines are constructed parallel to roads they may be welded on the road and then lifted from the road onto the right-of-way.

Where pipelines do not parallel roads but cross country between stations, they shall be welded in place at wellsites or on access roads and then pulled between stations with a suitable piece of equipment. Traffic will be restricted along these areas so that the pipeline right-of-way will not be used as an access road.

4. Even though the access road have a right-of-way of 30 feet wide, the travel surface shall not exceed 22.0 feet in width. Additional width of the access road is permissible where it intersects with the main road, or in areas where sharp curves require a greater width.



5. An open drilling system shall be used. The reserve pit will be lined with an impervious synthetic liner. After the drilling operation is complete, excess fluids shall be removed from the reserve pit and either hauled to an approved disposal site or shall be used to drill other wells. When the fluids are removed, the pit shall be backfilled a minimum of 3.0 feet below the soil surface elevation.
6. A closed production system will be used. This means all produced water and oil field fluid wastes shall be contained in leak proof tanks. These fluids shall be disposed of in either approved injection wells or disposal pits.

c/23/97



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Vernal District Office  
170 South 500 East  
Vernal, Utah 84078-2799

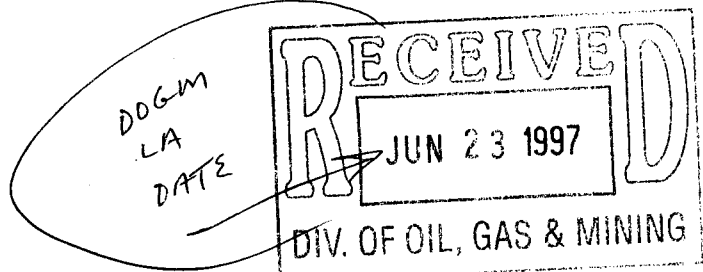
Phone: (801) 781-4400  
Fax: (801) 781-4410

IN REPLY REFER TO:

3160  
UT08300

June 13, 1997

Barrett Resources Corporation  
1515 Arapahoe Street Tower 3 #1000  
Denver CO 80202



Re: Notification of Expiration  
Well No. Ute Tribal 3-29  
Section 29, T5S, R4W  
Lease No. 14-20-H62-3416  
Duchesne County, Utah  
43013 31652

Gentlemen:

The Application for Permit to Drill the above-referenced well was approved on May 17, 1996. Since that date no known activity has transpired at the approved location. Applications for Permit to Drill are effective for a period of one year. In view of the foregoing, this office is notifying you the approval of the referenced application has expired. If you intend to drill at this location at a future date, a new Application for Permit to Drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

Sincerely,

Margie Herrmann  
Legal Instruments Examiner

cc: State Div. OG&M



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Vernal District Office  
170 South 500 East  
Vernal, Utah 84078-2799

Phone: (801) 781-4400  
Fax: (801) 781-4410

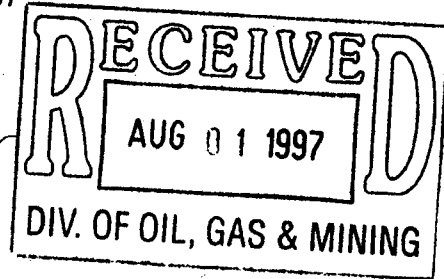
IN REPLY REFER TO:

3160  
UT08300

July 29, 1997

Barrett Resources Corporation  
Attn: Fritz Rosenberger  
1515 Arapahoe Street Tower 3 #1000  
Denver CO 80202

*DOB in LA'd  
per BLM  
rescind letter  
received  
6/23/97  
DTS 8/4/97*



Re: Notification of Expiration  
Well No. Ute Tribal 3-29  
Section 29, T5S, R4W  
Lease No. 14-20-H62-3416  
Duchesne County, Utah

Dear Mr. Rosenberger:

*43-013-31652*

The Application for Permit to Drill the above-referenced well was approved on July 29, 1996. Since that date no known activity has transpired at the approved location. Applications for Permit to Drill are effective for a period of one year. In view of the foregoing, this office is notifying you the approval of the referenced application has expired. If you intend to drill at this location at a future date, a new Application for Permit to Drill must be submitted.

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Sincerely,

Margie Herrmann  
Legal Instruments Examiner

cc: State Div. OG&M